## TIRE AND TREAD COMPRISING A BIS-ALKOXYSILANE TETRASULFIDE AS COUPLING AGENT

## **ABSTRACT**

A tire or tire tread incorporating an elastomeric composition having improved vulcanization kinetics, based on at least a diene elastomer, a reinforcing inorganic filler and, as (inorganic filler/elastomer) coupling agent, a bis-alkoxysilane tetrasulfide of the formula:

$$R^{1}O - Si - (CH_{2})_{3} - S_{x} - (CH_{2})_{3} - Si - OR^{1}$$
 $R^{3}$ 
(I)

in which:

the symbols R<sup>1</sup>, which may be identical or different, each represent a monovalent hydrocarbon group selected from among the group consisting of alkyls, whether straight-chain or branched, having from 1 to 4 carbon atoms, and alkoxyalkyls, whether straight-chain or branched, having from 2 to 8 carbon atoms;

R<sup>2</sup> and R<sup>3</sup>, which may be identical or different, each represent a monovalent hydrocarbon group selected from among the group consisting of alkyls, whether straight-chain or branched, having from 1 to 6 carbon atoms, and the phenyl radical; and x is between about 3 and about 5.